

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/759,584DATE: 03/10/2001  
TIME: 04:23:54

INPUT SET: S36479.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

SEQUENCE LISTING

ENTERED

## (1) General Information:

(i) APPLICANT: BROEKAERT, WILLEM F.  
CAMMUE, BRUNO P.A.  
OSBORN, RUPERT W.  
REES, SARAH B.  
TERRAS, FRANKY R.G.  
VANDERLEYDEN, JOZEF

(ii) TITLE OF INVENTION: BIOCIDAL PROTEINS

(iii) NUMBER OF SEQUENCES: 59

## (iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: CUSHMAN DARBY & CUSHMAN  
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(D) STATE: D.C.  
(E) COUNTRY: USA  
(F) ZIP: 20005

## (v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk  
(B) COMPUTER: IBM PC compatible  
(C) OPERATING SYSTEM: PC-DOS/MS-DOS  
(D) SOFTWARE: PatentIn Release #1.0, Version #1.25

## (vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: 09/759,584  
(B) FILING DATE:  
(C) CLASSIFICATION:

## (vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: 08/377,687  
(B) FILING DATE:

## (viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: KOKULIS, PAUL N.  
(B) REGISTRATION NUMBER: 16,773  
(C) REFERENCE/DOCKET NUMBER: 99042/SEE.36525/US/A

## (ix) TELECOMMUNICATION INFORMATION:

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47

48

49 (2) INFORMATION FOR SEQ ID NO:1:

50

51 (i) SEQUENCE CHARACTERISTICS:

52 (A) LENGTH: 44 amino acids

53 (B) TYPE: amino acid

54 (C) STRANDEDNESS: single

55 (D) TOPOLOGY: linear

56

57 (ii) MOLECULE TYPE: peptide

58

59

60

61 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

62

63 Gln Lys Leu Cys Glu Arg Pro Ser Gly Thr Trp Ser Gly Val Cys Gly  
64 1 5 10 15

65

66 Asn Asn Asn Ala Cys Lys Asn Gln Cys Ile Asn Leu Glu Lys Ala Arg  
67 20 25 30

68

69 His Gly Ser Cys Asn Tyr Val Phe Pro Ala His Lys  
70 35 40

71

72 (2) INFORMATION FOR SEQ ID NO:2:

73

74 (i) SEQUENCE CHARACTERISTICS:

75 (A) LENGTH: 36 amino acids

76 (B) TYPE: amino acid

77 (C) STRANDEDNESS: single

78 (D) TOPOLOGY: linear

79

80 (ii) MOLECULE TYPE: peptide

81

82

83

84 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

85

86 Gln Lys Leu Cys Gln Arg Pro Ser Gly Thr Trp Ser Gly Val Cys Gly  
87 1 5 10 15

88

89 Asn Asn Asn Ala Cys Lys Asn Gln Cys Ile Arg Leu Glu Lys Ala Arg  
90 20 25 30

91

92 His Gly Ser Cys  
93 35

94

95 (2) INFORMATION FOR SEQ ID NO:3:

96

97 (i) SEQUENCE CHARACTERISTICS:

98 (A) LENGTH: 27 amino acids

99 (B) TYPE: amino acid

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100 (C) STRANDEDNESS: single  
101 (D) TOPOLOGY: linear  
102  
103 (ii) MOLECULE TYPE: peptide  
104  
105  
106  
107 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:  
108  
109 Gln Lys Leu Cys Glu Arg Pro Ser Gly Thr Trp Ser Gly Val Cys Gly  
110 1 5 10 15  
111  
112 Asn Asn Asn Ala Cys Lys Asn Gln Cys Ile Asn  
113 20 25  
114  
115 (2) INFORMATION FOR SEQ ID NO:4:  
116  
117 (i) SEQUENCE CHARACTERISTICS:  
118 (A) LENGTH: 27 amino acids  
119 (B) TYPE: amino acid  
120 (C) STRANDEDNESS: single  
121 (D) TOPOLOGY: linear  
122  
123 (ii) MOLECULE TYPE: peptide  
124  
125  
126  
127 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:  
128  
129 Gln Lys Leu Cys Glu Arg Pro Ser Gly Thr Xaa Ser Gly Val Cys Gly  
130 1 5 10 15  
131  
132 Asn Asn Asn Ala Cys Lys Asn Gln Cys Ile Arg  
133 20 25  
134  
135 (2) INFORMATION FOR SEQ ID NO:5:  
136  
137 (i) SEQUENCE CHARACTERISTICS:  
138 (A) LENGTH: 30 amino acids  
139 (B) TYPE: amino acid  
140 (C) STRANDEDNESS: single  
141 (D) TOPOLOGY: linear  
142  
143 (ii) MOLECULE TYPE: peptide  
144  
145  
146  
147 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:  
148  
149 Gln Lys Leu Cys Glu Arg Pro Ser Gly Thr Trp Ser Gly Val Cys Gly  
150 1 5 10 15  
151  
152 Asn Asn Asn Ala Cys Lys Asn Gln Cys Ile Asn Leu Glu Lys

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153 20 25 30  
154  
155 (2) INFORMATION FOR SEQ ID NO:6:  
156  
157 (i) SEQUENCE CHARACTERISTICS:  
158 (A) LENGTH: 23 amino acids  
159 (B) TYPE: amino acid  
160 (C) STRANDEDNESS: single  
161 (D) TOPOLOGY: linear  
162  
163 (ii) MOLECULE TYPE: peptide  
164  
165  
166  
167 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:  
168  
169 Gln Lys Leu Cys Glu Arg Pro Ser Gly Thr Trp Ser Gly Val Cys Gly  
170 1 5 10 15  
171  
172 Asn Asn Asn Ala Cys Lys Asn  
173 20  
174  
175 (2) INFORMATION FOR SEQ ID NO:7:  
176  
177 (i) SEQUENCE CHARACTERISTICS:  
178 (A) LENGTH: 25 amino acids  
179 (B) TYPE: amino acid  
180 (C) STRANDEDNESS: single  
181 (D) TOPOLOGY: linear  
182  
183 (ii) MOLECULE TYPE: peptide  
184  
185  
186  
187 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:  
188  
189 Gln Lys Leu Cys Glu Arg Pro Ser Gly Thr Trp Ser Gly Val Cys Gly  
190 1 5 10 15  
191  
192 Asn Asn Asn Ala Cys Lys Asn Gln Cys  
193 20 25  
194  
195 (2) INFORMATION FOR SEQ ID NO:8:  
196  
197 (i) SEQUENCE CHARACTERISTICS:  
198 (A) LENGTH: 26 amino acids  
199 (B) TYPE: amino acid  
200 (C) STRANDEDNESS: single  
201 (D) TOPOLOGY: linear  
202  
203 (ii) MOLECULE TYPE: peptide  
204  
205

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206  
207 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:  
208  
209 Gln Lys Leu Cys Gln Arg Pro Ser Gly Thr Trp Ser Gly Val Cys Gly  
210 1 5 10 15  
211  
212 Asn Asn Asn Ala Cys Arg Asn Gln Cys Ile  
213 20 25  
214  
215 (2) INFORMATION FOR SEQ ID NO:9:  
216  
217 (i) SEQUENCE CHARACTERISTICS:  
218 (A) LENGTH: 27 amino acids  
219 (B) TYPE: amino acid  
220 (C) STRANDEDNESS: single  
221 (D) TOPOLOGY: linear  
222  
223 (ii) MOLECULE TYPE: peptide  
224  
225  
226  
227 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:  
228  
229 Gln Lys Leu Cys Glu Arg Pro Ser Gly Thr Trp Ser Gly Val Cys Gly  
230 1 5 10 15  
231  
232 Asn Ser Asn Ala Cys Lys Asn Gln Cys Ile Asn  
233 20 25  
234  
235 (2) INFORMATION FOR SEQ ID NO:10:  
236  
237 (i) SEQUENCE CHARACTERISTICS:  
238 (A) LENGTH: 50 amino acids  
239 (B) TYPE: amino acid  
240 (C) STRANDEDNESS: single  
241 (D) TOPOLOGY: linear  
242  
243 (ii) MOLECULE TYPE: peptide  
244  
245  
246  
247 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:  
248  
249 Glu Leu Cys Glu Lys Ala Ser Lys Thr Trp Ser Gly Asn Cys Gly Asn  
250 1 5 10 15  
251  
252 Thr Gly His Cys Asp Asn Gln Cys Lys Ser Trp Glu Gly Ala Ala His  
253 20 25 30  
254  
255 Gly Ala Cys His Val Arg Asn Gly Lys His Met Cys Phe Cys Tyr Phe  
256 35 40 45  
257  
258 Asn Cys

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**SEQUENCE VERIFICATION REPORT**  
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Original Text